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2815

DATE MAILED: 12/07/2009

NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 12/07/2009

Cook Alex Mcfarron Manzo Cummings & Mehler LTD 200 West Adams ST Suite 2850 Chicago, IL 60606 EXAMINER

LEE, EUGENE

ART UNIT PAPER NUMBER

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/516,082	03/01/2000	Satoshi Murakami	SEL163	3545

TITLE OF INVENTION: SEMICONDUCTOR DEVICE COMPRISING A THIN FILM TRANSISTOR COMPRISING A SEMICONDUCTOR THIN FILM AND METHOD OF MANUFACTURING THE SAME

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(8) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0	\$1510	\$1510	03/08/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION NOT THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

appropriate. All further indicated unless correcte maintenance fee notificat	correspondence including a below or directed oth	or transmitting the 1880 ig the Patent, advance of terwise in Block 1, by (a	rders and notification of n i) specifying a new corres	naintenance fees w pondence address;	ill be and/or	mailed to the current (b) indicating a sepa	corresp rate "Fl	e completed where ondence address as EE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Nose, Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
Cook Alex Mc Cummings & Mc 200 West Adams	ehler LTD	/2009	I boo	Cert	ificate	of Mailing or Trans s) Transmittal is being ficient postage for fir ISSUE FEE address 1) 273-2885, on the d	mission	tad with the United
Suite 2850 Chicago, IL 6060	06							(Depositor's name)
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONF	TRMATION NO.
09/516,082 TITLE OF INVENTION AND METHOD OF MA			Satoshi Murakami A THIN FILM TRANSIST	OR COMPRISING	3 A SE	SEL163 MICONDUCTOR TE	IIN FILI	3545 M
APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	NO	\$1510	\$0	\$1510	\$1510 \$1510			03/08/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS	3				
LEE, EU	JGENE	2815	257-347000					
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address' 2 or more recent) attach ND RESIDENCE DATA ess an assignee is identi h in 37 CFR 3.11. Comp	nge of Correspondence Indication form ed. Use of a Customer	2. For printing on the p (1) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered pattent attoe listed, no name will be THE PATENT (print or typy data will appear on the p T a substitute for filing an a (B) RESIDENCE; (CITY	3 registered patent rely, e firm (having as a gent) and the name meys or agents. If r printed. te) tent. If an assigne assignment.	membes of u	er a 2p to e is 3	ocument	t has been filed for
Please check the appropri	iate assignee category or	categories (will not be pr	inted on the patent):	Individual 🗖 Co	rporati	on or other private gr	oup entit	y 🗖 Government
4a. The following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			the Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. The Payment by reofit earl. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).					
	s SMALL ENTITY statu	is. See 37 CFR 1.27.	☐ b. Applicant is no long					
NOTE: The Issue Fee and interest as shown by the r	d Publication Fee (if requeecords of the United Sta	ired) will not be accepte tes Patent and Trademark	d from anyone other than the Office.	ne applicant; a regis	stered :	uttorney or agent; or th	ne assign	ee or other party in
Authorized Signature				Date				
Typed or printed name				Registration N	0			
This collection of informan application. Confident submitting the completed this form and/or suggestit Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C itality is governed by 35 I application form to the ons for reducing this but irginia 22313-1450. DC 13-1450.	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the NOT SEND FEES OR	on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO	etain a benefit by the imated to take 12 m idual case. Any co r, U.S. Patent and O THIS ADDRESS	ne pub ninute: mment Frader	ic which is to file (and to complete, including s on the amount of ti- nark Office, U.S. Dep D TO: Commissioner	I by the ig gather ne you i artment for Pater	USPTO to process) ing, preparing, and require to complete of Commerce, P.O. nts, P.O. Box 1450,

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Cummings & Mehler LTD			ART UNIT	PAPER NUMBER	
200 West Adams ST Suite 2850			2815 DATE MAILED: 12/07/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)					
Notice of Allowability	09/516,082	MURAKAMI ET AL.					
Notice of Allowability	Examiner	Art Unit					
	EUGENE LEE	2815					
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATEN of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS					
 This communication is responsive to <u>11/10/09</u>. 							
2. X The allowed claim(s) is/are 46,47,52,56,58,59,61,62,64,65, 100,102,103,105,106,108,119,120,122,123,125,126,128 and 139		6,88-90,92,93,95,96,98-					
3.							
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. Notice of Informal P 6. Interview Summary Paper No./Mail Dat 7. Examiner's Amendn 8. Examiner's Stateme 9. Other	(PTO-413), e					

Art Unit: 2815

DETAILED ACTION

Allowable Subject Matter

1. Claims 46, 47, 52, 56, 58, 59, 61, 62, 64, 65, 67, 68, 70, 71, 73, 74, 76 thru 78, 81, 83, 85, 86, 88 thru 90, 92, 93, 95, 96, 98 thru 100, 102, 103, 105, 106, 108, 119, 120, 122, 123, 125, 126, 128, and 139 thru 166 are allowed. The following is an examiner's statement of reasons for allowance: The references of record, either singularly or in combination, do not teach or suggest at least a semiconductor device comprising: a passivation film comprising a silicon nitride over the first conductive layer; a color filter formed over the passivation film, wherein a first opening is formed in the color filter; an insulating film formed over the color filter, wherein a second opening is formed in the insulating film, and a pixel electrode formed over the insulating film and electrically connected to the first conductive layer through the first and second openings, and wherein the pixel electrode is in contact with a portion of the color filter in the first opening, wherein the pixel electrode overlaps with the source wiring and the drain wiring.

Regarding claims 52, 59, and all depending claims, the references of record, either singularly or in combination, do not teach or suggest at least a semiconductor device comprising: a passivation film formed over the first conductive layer, a color filter formed over the passivation film, wherein a first opening is formed in the color filter; an insulating film formed over the color filter, wherein a second opening is formed in the insulating film, and a pixel electrode formed over the insulating film and electrically connected to the first conductive layer through the first and second openings, wherein the passivation film is interposed between the first conductive layer and the color filter so that the first conductive layer is not in contact with the color filter, and wherein the pixel electrode is in contact with a portion of the color filter in

Application/Control Number: 09/516,082

Art Unit: 2815

the first opening, wherein the pixel electrode overlaps with the source wiring and the drain wiring.

Regarding claims 61, and all depending claims, the references of record, either singularly or in combination, do not teach or suggest at least a semiconductor device comprising: a passivation film formed over the first conductive layer, a color filter formed over the passivation film, wherein a first opening is formed in the color filter; an insulating film formed over the color filter, wherein a second opening is formed in the insulating film, and a pixel electrode formed over the insulating film and electrically connected to the first conductive layer through the first and second openings, wherein the pixel electrode is in contact with a portion of the color filter in the first opening, wherein the pixel electrode overlaps with the source wiring and the drain wiring

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

INFORMATION ON HOW TO CONTACT THE USPTO

Any inquiry concerning this communication or earlier communications from the examiner should be directed to EUGENE LEE whose telephone number is (571)272-1733. The examiner can normally be reached on M-F 8-5.

Application/Control Number: 09/516,082

Art Unit: 2815

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kenneth Parker can be reached on 571-272-2298. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Eugene Lee November 16, 2009 /Eugene Lee/ Primary Examiner, Art Unit 2815